Applicant : Frances James
Serial No. : 10/790,218
Filed : March 2, 2004
Page : 2 of 9

Attorney's Docket No.: 13909-135001 / 2003P00736
US01

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. - 20. (Cancelled).

21. (Currently Amended) A method comprising:

displaying one or more open interaction elements in a voice-enabled user interface;

receiving, in a navigation mode, a navigation command;

determining an open interaction element corresponding to the received navigation command;

entering, in a data entry mode, the open interaction element corresponding to the received navigation command;

enabling an exit option for the entered open interaction element, wherein the exit option provides for exiting the open interaction element;

receiving data for the entered open interaction element;

updating the entered open interaction element with the received data;

determining if an exit option has been selected;

exiting the entered open interaction element if it is determined that the exit option has been selected; and

enabling the navigation mode, if it is determined that the exit option has been selected,

wherein determining the open interaction element corresponding to the received navigation command comprises:

determining one or more open interaction elements that match the received navigation command, wherein each open interaction element belongs to a priority group,

determining matching open interaction elements belonging to the priority group with the highest priority,

Applicant : Frances James
Serial No. : 10/790,218
Filed : March 2, 2004
Page : 3 of 9

Attorney's Docket No.: 13909-135001 / 2003P00736
US01

if only one matching open interaction element belongs to the highest priority group, selecting the matching open interaction element that belongs to the highest priority group,

if more than one matching open interaction element belongs to the highest priority group, marking each of the matching open interaction elements belonging to the highest priority group in the user interface with a unique number,

receiving a navigation command indicating one of the unique numbers, and

selecting the open interaction element corresponding to the indicated unique numbers.

22. (Previously Presented) The method of claim 21, wherein determining if an exit option has been selected comprises determining if an explicit exit command has been received.

23. (Previously Presented) The method of claim 21, wherein determining if an exit option has been selected comprises determining if an implicit exit command has been received.

24. (Previously Presented) The method of claim 21, wherein determining if an exit option has been selected comprises determining if a timeout period has expired.

25. (Previously Presented) The method of claim 21, wherein determining if an exit option has been selected comprises determining if a tab command has been received.

26. (Previously Presented) The method of claim 21, wherein the open interaction element is adapted to receive multiple data entries.

27. (Previously Presented) The method of claim 21, wherein receiving data for the entered open interaction element comprises a voice module translating voice data to text data using a speech recognition engine, and receiving the text data from the voice module.

28. (Previously Presented) The method of claim 27, wherein the voice module translating voice data to text data using a speech recognition engine further comprises retrieving a grammar

Applicant : Frances James
Serial No. : 10/790,218
Filed : March 2, 2004
Page : 4 of 9

Attorney's Docket No.: 13909-135001 / 2003P00736
US01

associated with the entered open interaction element, and translating voice data to text data using the speech recognition engine and the retrieved grammar.

29.   (Previously Presented) The method of claim 28, wherein the grammar is one of a date grammar and a name grammar.

30.   (Cancelled)

31.   (Cancelled)

32.   (Currently Amended) The method of <u>claim 21</u> ~~claim 31~~, wherein marking each of the matching open interaction elements belonging to the highest priority group in the user interface with a unique number comprises displaying semi-transparent overlays of the unique number over the corresponding open interaction elements in the user interface.

33.   (Previously Presented) A method comprising:

receiving a user interface, the user interface including user interface elements;

parsing the received user interface to locate user interface elements;

processing the located user interface elements to generate voice enabled user interface elements;

prioritizing the voice enabled user interface elements into priority groups based on their location in the user interface; and

displaying the received user interface including the voice enabled user interface elements<u>,</u>

<u>wherein processing the located user interface elements to make them voice enabled</u>
<u>comprises:</u>

<u>translating each located user interface element to create a speakable identifier, and</u>
<u>associating the speakable identifier with the corresponding user interface element;</u>
<u>and</u>

<u>wherein translating each located user interface element to create a speakable identifier,</u>
<u>comprises:</u>

Applicant : Frances James
Serial No. : 10/790,218
Filed : March 2, 2004
Page : 5 of 9

Attorney's Docket No.: 13909-135001 / 2003P00736
US01

extracting text from the user interface element;

using a speech recognition engine to generate a speakable identifier from the extracted text; and

adding the generated speakable identifier to a library of speakable identifiers.

34. (Previously Presented) The method of claim 33, wherein the user interface elements are XML elements or HTML elements.

35. (Cancelled)

36. (Cancelled)

37. (Currently Amended) A device comprising:

a display module adapted to display a user interface, the user interface comprising a plurality of open interaction elements; and

a navigation and data entry module adapted to:

receive, in a navigation mode, a navigation command;

determine an open interaction element corresponding to the received navigation command;

enter, in a data entry mode, the open interaction element corresponding to the received navigation command;

enable an exit option for the entered open interaction element, wherein the exit option provides for exiting the open interaction element;

receive data for the entered open interaction element;

update the entered open interaction element with the received data;

determine if the exit option has been selected;

exit the entered open interaction element if it is determined that the exit option has been selected; and

enable the navigation mode, if it is determined that the exit option has been selected.

Applicant : Frances James
Serial No. : 10/790,218
Filed : March 2, 2004
Page : 6 of 9

Attorney's Docket No.: 13909-135001 / 2003P00736
US01

wherein, in determining the open interaction element corresponding to the received navigation command, the navigation and data entry module is further adapted to:

determine one or more open interaction elements that match the received navigation command, wherein each open interaction element belongs to a priority group,

determine matching open interaction elements belonging to the priority group with the highest priority,

if only one matching open interaction element belongs to the highest priority group, select the matching open interaction element that belongs to the highest priority group,

if more than one matching open interaction element belongs to the highest priority group, mark each of the matching open interaction elements belonging to the highest priority group in the user interface with a unique number,

receive a navigation command indicating one of the unique numbers, and

select the open interaction element corresponding to the indicated unique numbers.

38.   (Currently Amended) A computer readable medium encoded with a computer program product, tangibly embodied in a machine-readable medium, the computer program product comprising instructions that, when read by a machine, operate to cause a data processing apparatus to:

display one or more open interaction elements in a voice-enabled user interface;

receive, in a navigation mode, a navigation command;

determine an open interaction element corresponding to the received navigation command;

enter, in a data entry mode, the open interaction element corresponding to the received navigation command;

enable an exit option for the entered open interaction element, wherein the exit option provides for exiting the open interaction element;

receive data for the entered open interaction element;

update the entered open interaction element with the received data;

determine if the exit option has been selected;

Applicant : Frances James
Serial No. : 10/790,218
Filed : March 2, 2004
Page : 7 of 9

Attorney's Docket No.: 13909-135001 / 2003P00736
US01

exit the entered open interaction element if it is determined that the exit option has been selected; and

enable the navigation mode, if it is determined that the exit option has been selected,

wherein, in determining the open interaction element corresponding to the received navigation command, the instructions further operate to cause the data processing apparatus to:

determine one or more open interaction elements that match the received navigation command, wherein each open interaction element belongs to a priority group,

determine matching open interaction elements belonging to the priority group with the highest priority,

if only one matching open interaction element belongs to the highest priority group, select the matching open interaction element that belongs to the highest priority group,

if more than one matching open interaction element belongs to the highest priority group, mark each of the matching open interaction elements belonging to the highest priority group in the user interface with a unique number,

receive a navigation command indicating one of the unique numbers, and

select the open interaction element corresponding to the indicated unique numbers.